

CLAIMS

What is claimed is:

1. A system for dividing gas flow, wherein a gas in a primary flow path is divided into a plurality of secondary flow paths, the flow rate of gas in each of said secondary flow paths being related to the flow rate in each other one of said secondary flow paths by a predetermined ratio, the system comprising:

a plurality of mass flow controllers, there being one of said mass flow controllers arranged to control flow in each said secondary flow path; and
a common controller connected to all of said mass flow controllers;

wherein one of said secondary flow paths is fully opened, the ratio of the flow rate of each other one of said secondary flow paths relative to the flow rate of said fully opened secondary flow path is set at a value of 1 or less, and said common controller delivers to the mass flow controller in each other one of said secondary flow paths, a set signal for controlling the flow therein, said set signal being obtained by multiplying the measured flow rate in said fully opened secondary flow path by the predetermined ratio for said one of said secondary flow paths.

2. A system for dividing gas flow as claimed in claim 1, wherein each said mass flow controller is a pressure sensing type mass flow controller.

3. A system for dividing gas flow as claimed in claim 1, wherein the secondary flow paths are connected to inlets of a single processing chamber.